

Decision Support Briefing

Southeast River Forecast Center



Decision Support Briefing Hydrologic Vulnerability Assessment



Issued: 12:58 PM ET Wednesday, June 1, 2022



Weather Ready Nation



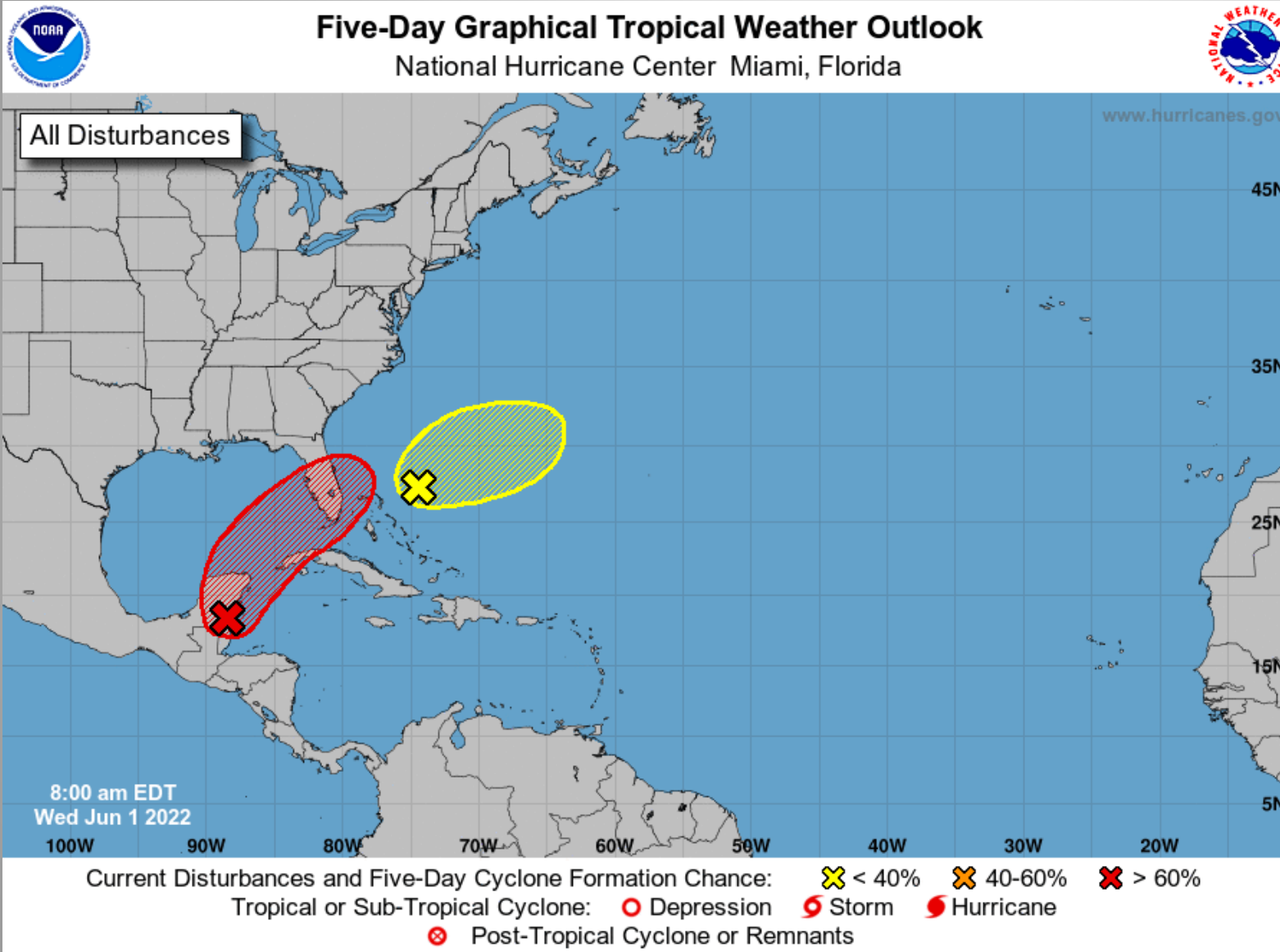
NWSSERFC



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- **A potential tropical disturbance may develop and move north towards the Florida Peninsula.**
- **Regardless of development, heavy rain is possible over central and south Florida in the coming 5-days.**
- **Flash and urban flooding are possible over these areas during that time...with a small chance for river flooding.**



It is the first official day of hurricane season and there is already a potential disturbance to discuss.

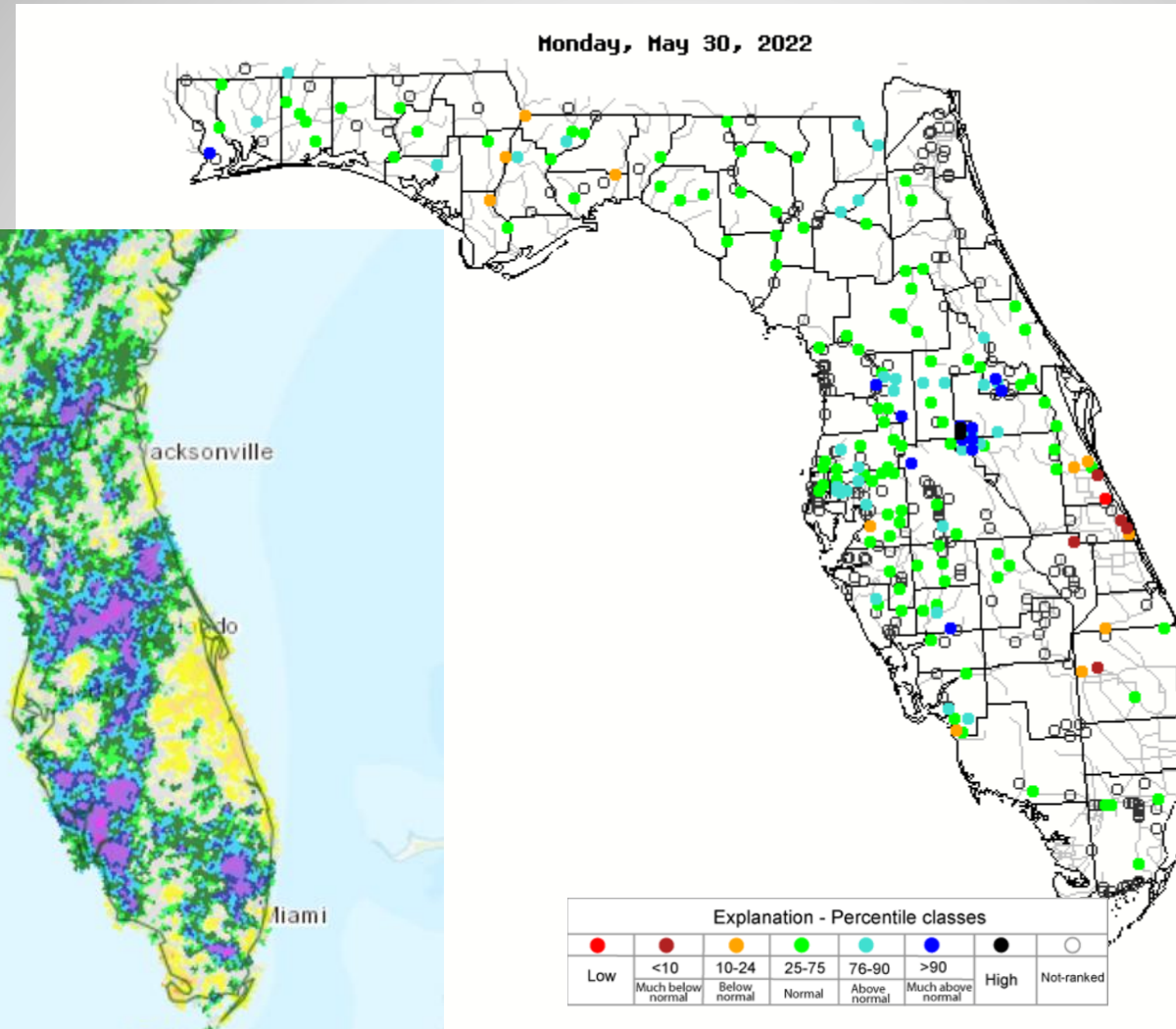
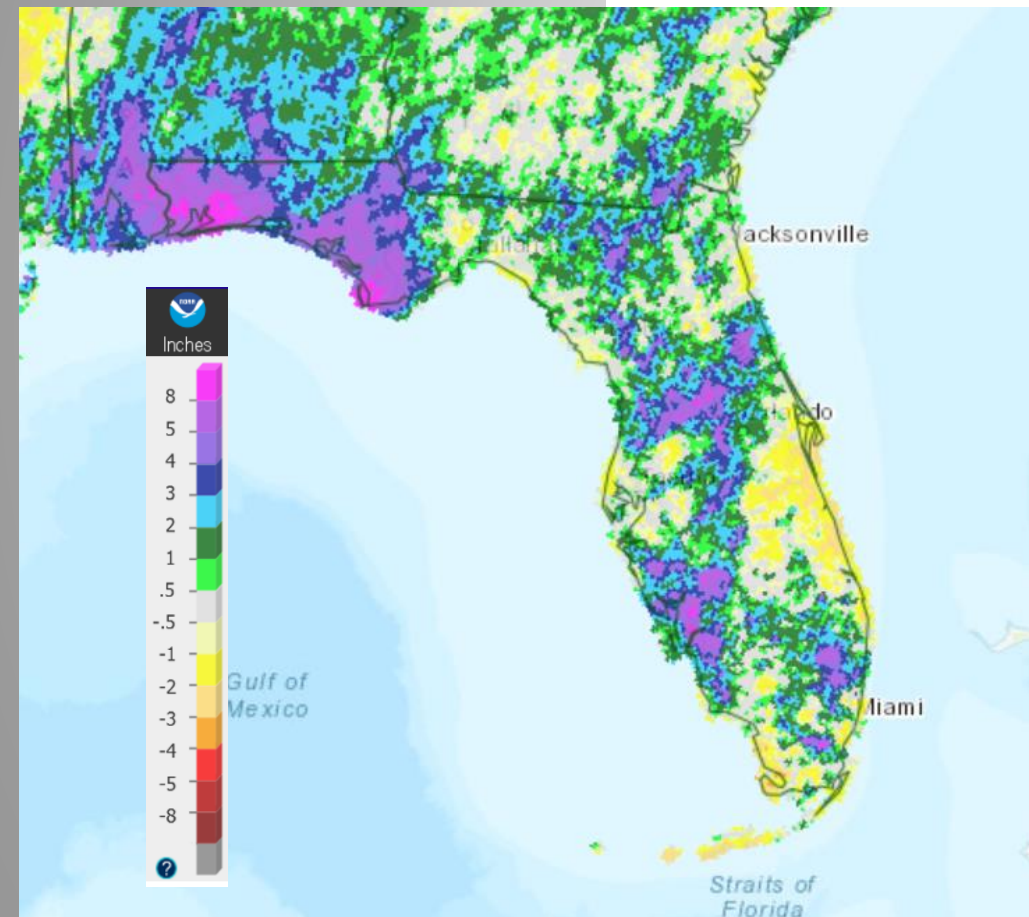
As of Wednesday morning, there is an 80% chance of development of a named storm from unsettled weather in the southeast Gulf of Mexico in the coming 5 days.

Current area of potential impact, regardless of whether a storm is named, is in central and south Florida.

30-day departure from normal rainfall

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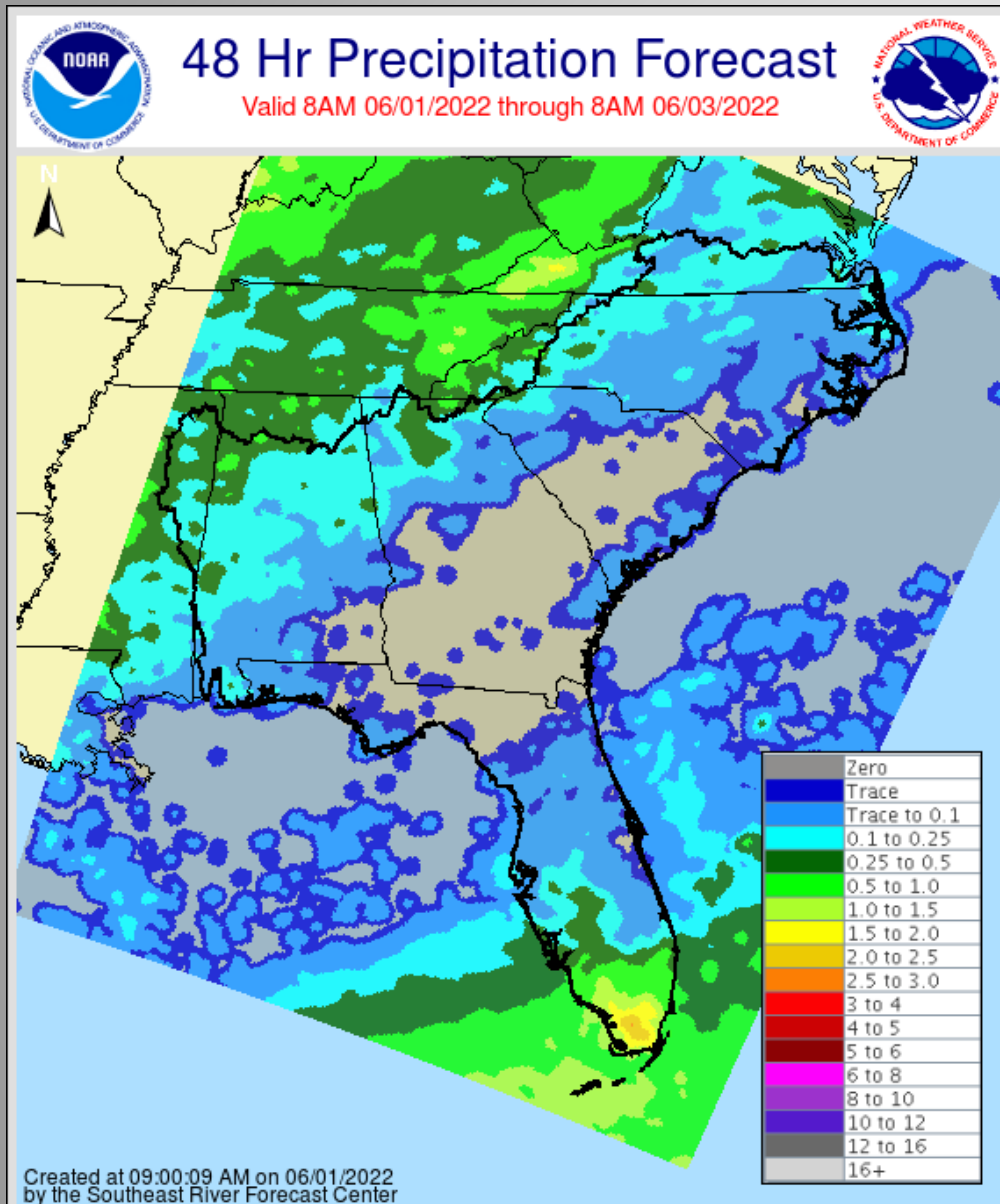
The graphic on the left depicts 30-day departure from normal rainfall. Seems wet season may have started a little early this year. There are some areas of above normal rainfall...with a few that are below normal.

This trend is reflected in the streamflows from this 28-day average streamflows from the USGS. Many areas are near or above normal...with just a few spots below over that timespan.

48-hour Precipitation Forecast

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The heaviest rain from this system doesn't enter into our area until day 3.

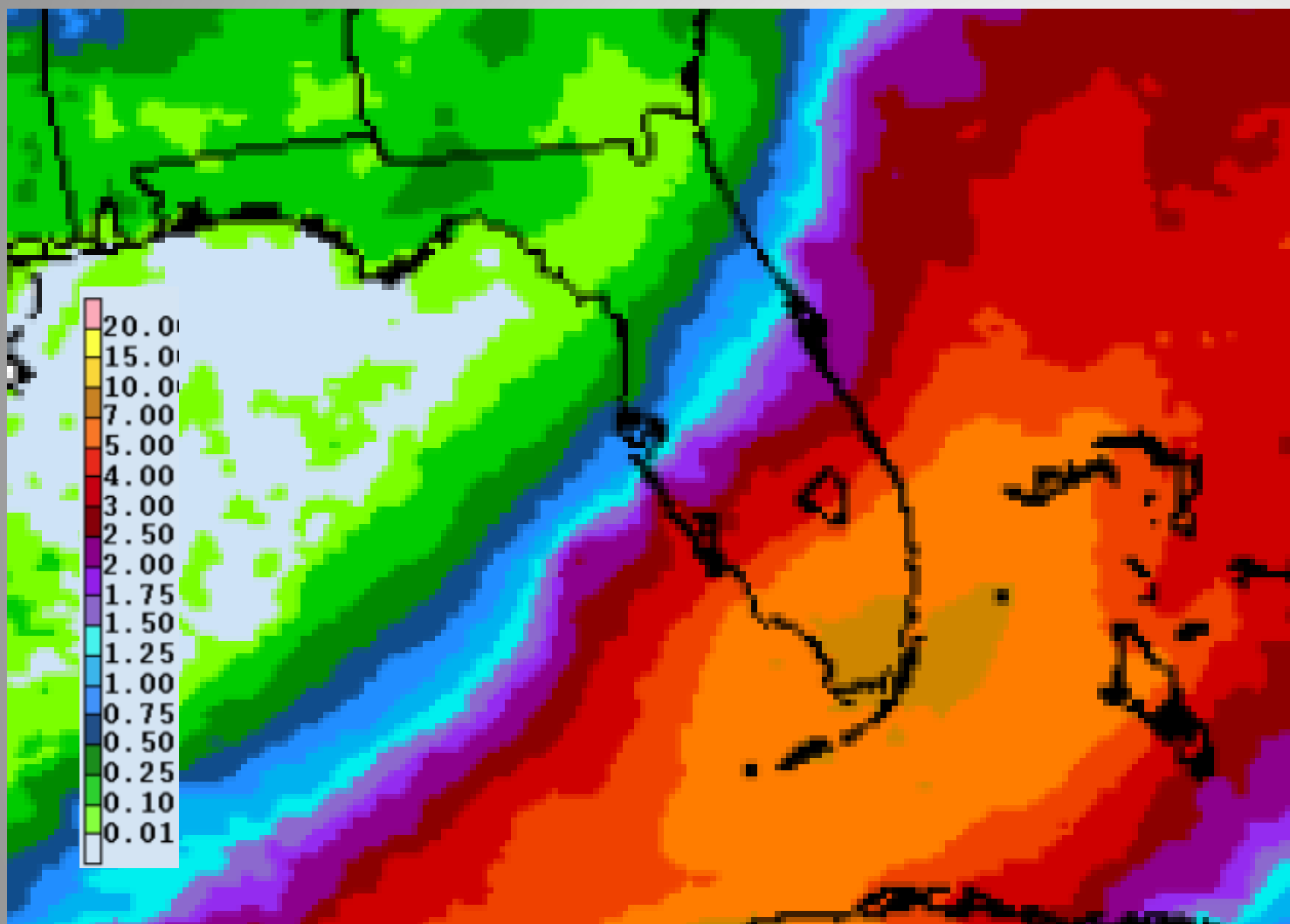
This is the current 48 hour forecast from the SERFC and forecasts were issued based on this information.

5-day Precipitation Forecast

8 am Wednesday – 8 am Monday

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5-day rainfall forecast shows possible heavy rain for south Florida.

There is a steep gradient from just south of the Tampa to Melbourne line north to almost Gainesville area. Flash flooding and some river flooding is possible depending on how far north rain spreads into Florida.

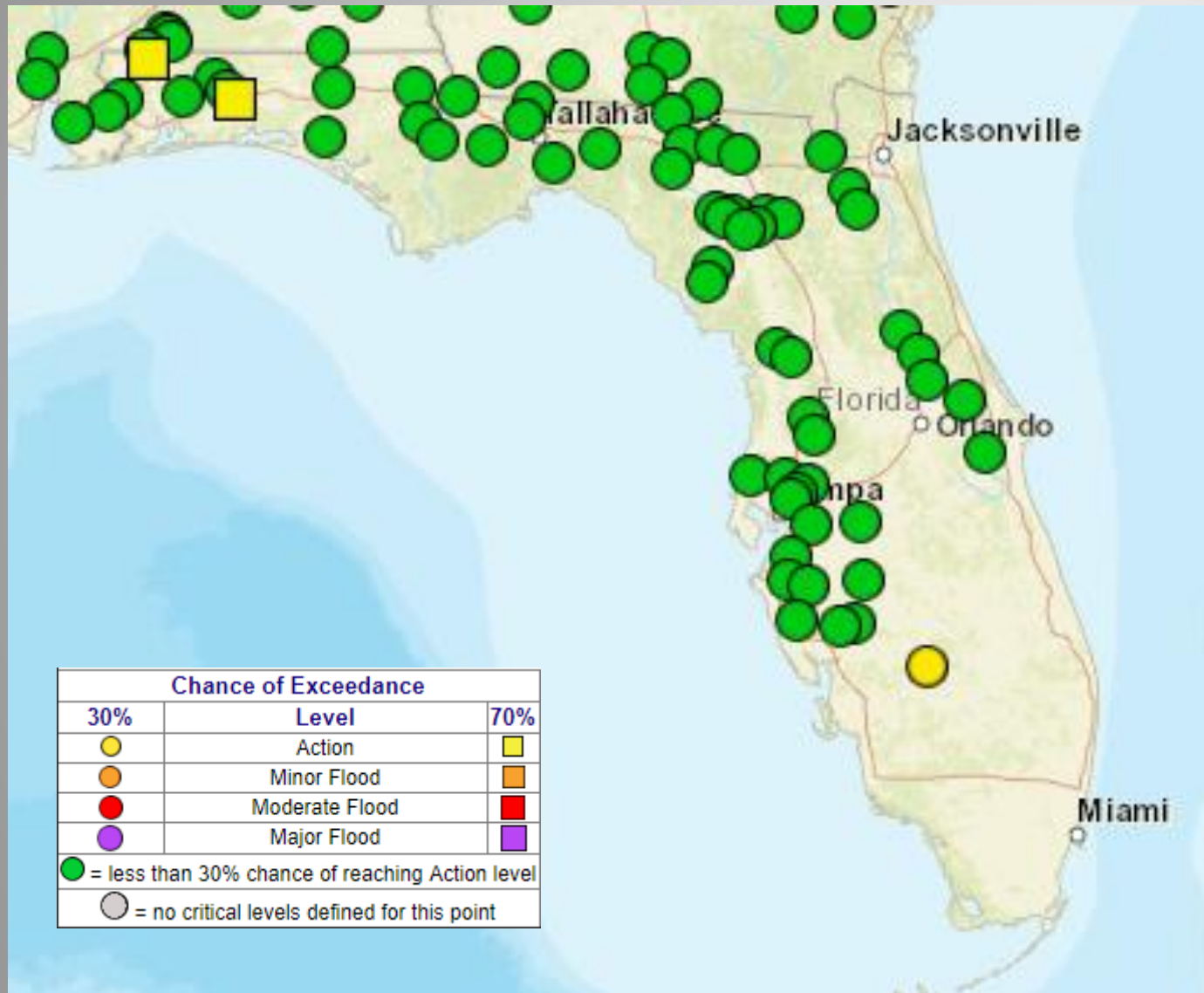
Rainfall from this disturbance isn't expected until sometime on Friday

Ensemble Forecasts (MMEFS)

MMEFS

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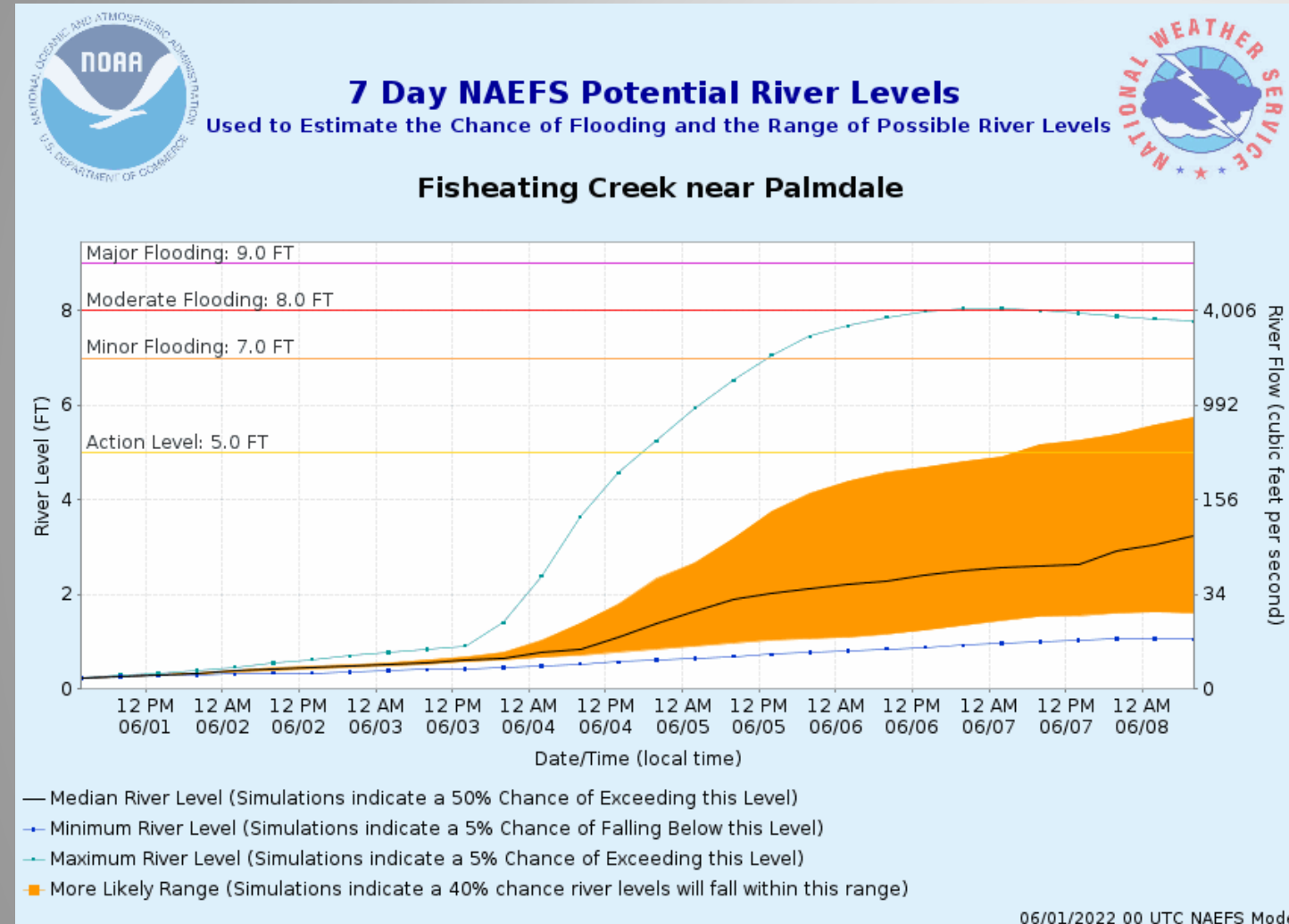
The Meteorological Model Ensemble Forecast System (MMEFS), to the left, is using the NAEFS model and addresses uncertainty in the longer lead rainfall forecast that helps to provide a confidence level for potential flooding. The NAEFS runs in our model every 12 hours.

The only possible bankfull rise indicated by the models at this time is in south Florida at Fisheating Creek in Palmdale.

This could change if there is a more northerly track to this system.

To take a closer look. Here is the link to more detailed information:

<https://www.weather.gov/erh/mmefs>



Here is a closer look at the graphic indicating the potential action stage rise. The median of all the models keeps the forecast well below flood stage.

However, there are a few different solutions that take it above flood stage...even to moderate flood stage.

SERFC will monitor through the week for changes and updates.

To take a closer look. Here is the link to more detailed information:

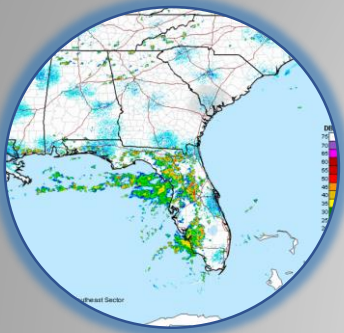
<https://www.weather.gov/erh/mmefts>



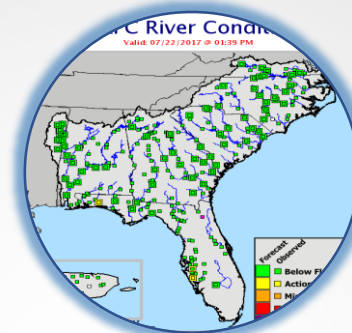
- SERFC will remain on normal operations until further notice.
- The Decision Support Briefing or a short email blast will continue for the next couple of days to update on changes to the forecast.

Latest River Stages and Forecasts
are available...click here!

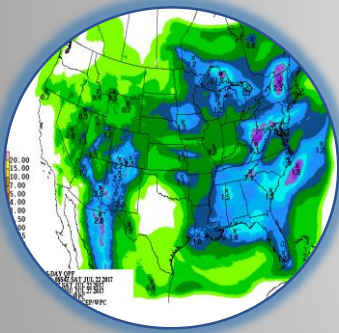
Please send all operational correspondence to
sr-alr.rivers@noaa.gov or call the office directly.



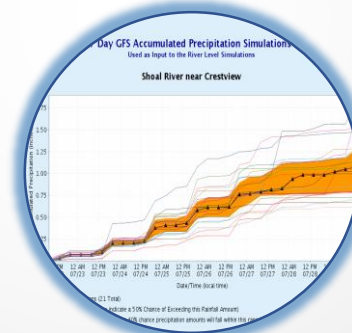
[Latest Radar](#)



[SERFC Quick Brief](#)



[Latest Forecast Rainfall](#)



[MMEFS – Ensemble River Forecasts](#)



- *The Decision Support Briefing will continue tomorrow to update you on current conditions and changes to the forecast.*
- *These slides are intended for your use. Please feel free to share these with others. If you have any questions please email sr-alr.rivers@noaa.gov or contact your local NWS Weather Forecast Office.*
- *Remember: SERFC briefings cover freshwater flooding. For information on coastal and tidal flooding, flash floods, winds, and severe weather risks, please contact your local Weather Forecast Office.*